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09/746,500	12/22/2000	Yuergen Boehmke	00348	9783

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EXAMINER

IQBAL, KHAWAR

ART UNIT	PAPER NUMBER
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2686

DATE MAILED: 05/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/746,500

Applicant(s)

BOEHMKE, YUERGEN

Examiner

Khawar Iqbal

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 January 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19, 21-39 and 41 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19, 21-39 and 41 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4,6-18,27-39 and 41 are rejected under 35 U.S.C. 102(b) as being unpatentable by Swansn (5867558).

3. Regarding claim 1 Swansn teaches a method for communicating one or more dial digits associated with a telecommunication system call record, the dial digits being transmitted from a remote telecommunication device, comprising (figs. 1-2):

receiving the one or more dial digits (directory number) from a plurality of remote telecommunication devices at a plurality of corresponding switches (102,104) in communication with a switch master (160) in real time relative to the termination (col. 2, line 63-col. 3, line 5); transmitting the one or more dial digits from the plurality of switches to the switch master in real time relative to the termination of one or more telecommunication transactions, wherein the switch master is in communication with computer system (col.3, line 58-col. 5, line 35);

transmitting the one or more dial digits from the switch master to the computer system master in real time relative to the termination of one or more telecommunication transactions (col.3, line 58-col. 5, line 35); and

storing the one or more dial digits in a database in communication with the computer system (col.3, line 58-col. 5, line 35);

storing at least one of the one or more dial digits in a table within the database, wherein the table relates to how recently the dial digits were transmitted from any one of the plurality of remote telecommunication devices (col.3, line 58-col. 5, line 35); and

searching the database for one or more dial digits associated with a telecommunication system (col.3, line 58-col. 5, line 35).

Regarding claim 10 Swansn teaches a method for communicating all telecommunication call records generated over a period of time associated with a telecommunication system, call records being transmitted from a remote telecommunication device, comprising (figs. 1-2):

receiving all telecommunication call records from a plurality of remote telecommunication devices at a plurality of switches in communication with a switch master, transmitting all dial digits from the plurality of switches to the switch master, wherein the switch master is in communication with a computing system (col.3, line 58-col. 5, line 35);

transmitting all telecommunication call records from the switch master to a the computing system (col.3, line 58-col. 5, line 35);

storing all telecommunication call record in a database in communication with the computing system (col.3, line 58-col. 5, line 35);

storing at least one of the telecommunication call records in a table within the database, wherein the table relates to how recently the telecommunication call records were

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transmitted from the remote telecommunication device (col.3, line 58-col. 5, line 35);
and

searching the database for one or more telecommunication records associated with a telecommunication system (col.3, line 58-col. 5, line 35).

Regarding claim 27 Swansn teaches a computer implemented method for managing all call records received over a period of time associated with a telecommunication system in real time relative to the termination of the telecommunications transactions, the call records being transmitted from a remote telecommunication device, comprising (figs. 1-2):

receiving all digits received over a period of time from a plurality of remote telecommunication devices at a plurality of corresponding switches in communication with a switch master substantially instantaneously after termination of at least one telecommunications transactions (col.3, line 58-col. 5, line 35);

transmitting all the dial digits received over a period of time from the plurality of switches to the switch master in real time relative to the termination of the telecommunications transactions, wherein the switch master is in communication with at least a billing system and a computer system (col.3, line 58-col. 5, line 35);

receiving all the telephone call records from the switch master in real time relative to the termination of the telecommunications transactions into the computing system;

inputting into the computing system an identifier (col.3, line 58-col. 5, line 35); and

generating a report based on the identifier in real time relative to the termination of a telecommunications transaction (col.3, line 58-col. 5, line 35).

Regarding claims 32,33 Swansn teaches a computer readable medium having a set of computer instructions encoded thereon, comprising (figs. 1-2):

the set of computer instructions being operative with a computer adapted for communicating with a telecommunication system in real time and adapted for communicating with a storage device, the set of computer instructions cause the computer to (col.3, line 58-col. 5, line 35): receive all telecommunication call records generated over a period of time from a plurality of telecommunication switches by a switch master in communication with the telecommunication switch substantially instantaneously after termination of at least one telecommunications transaction(col.3, line 58-col. 5, line 35);

receive all the telecommunication call records from the switch master by the computer in communication therewith in real time relative to the termination of the telecommunications transactions (col.3, line 58-col. 5, line 35);

store all the telecommunication call records in a storage device (col.3, line 58-col. 5, line 35);

generate one or more reports based on predetermined criteria in real time relative to the termination of the telecommunications transactions(col.3, line 58-col. 5, line 35);

store at least one of the telecommunication call records in a table within the storage device, wherein the table relates to how recently the telecommunication call record was received (col.3, line 58-col. 5, line 35).

Regarding claims 37 and 41 Swansn teaches a system for managing all telephone call records in real time, comprising (figs. 1-2):

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a plurality of telecommunication switching means for receiving call records received from a telecommunication device substantially instantaneously after termination of at least one telecommunication transaction (col.3, line 58-col. 5, line 35);

a switch master control means operation in real time relative to the termination of the telecommunications transactions in communication with the plurality of telecommunication switching means (col.3, line 58-col. 5, line 35);

computing system means operating in real time relative to the termination of the telecommunications transactions in communication with the switch master control means (col.3, line 58-col. 5, line 35);

storage means operating in real time relative to the termination of the telecommunications transactions in communication with the computing means for storing all telecommunication call records therein, wherein the storage means are for storing at least one of the one or more telephone call records in a table within the database, wherein the table relates to how recently the telephone call records were received (col.3, line 58-col. 5, line 35); and

searching means for searching the storage means for one or more telephone call records in real time relative to the termination of a telecommunication transaction (col.3, line 58-col. 5, line 35).

Regarding claims 2,11,28,34 and 38 Swansn teaches wherein receiving the one or more dial digits comprises receiving the one or more dial digits from a telecommunication switch (col.3, line 58-col. 5, line 35).

Regarding claims 3,12,29,35 and 39 Swansn teaches wherein transmitting comprises transmitting the one or more dial digits from the telecommunication switch to the computing system (col.3, line 58-col. 5, line 35).

Regarding claims 4,13,30 and 36 Swansn teaches wherein communicating the one or more dial digits occurs in real-time (col.3, line 58-col. 5, line 35).

Regarding claims 6,16, and 31 Swansn teaches further comprising analyzing the one or more dial digits received from the telecommunication switch (col.3, line 58-col. 5, line 35).

Regarding claims 7,15 Swansn teaches wherein analyzing the one or more dial digits further comprises parsing the one or more dial digits (col.3, line 58-col. 5, line 35).

Regarding claims 8,17 Swansn teaches further comprising generating reports associated with the one or more dial digits according to predetermined criteria (col.3, line 58-col. 5, line 35).

Regarding claims 9, 18 Swansn teaches further comprising providing the reports to an output device in communication with the computing system (col.3, line 58-col. 5, line 35).

4. Claims 19,21-26 are rejected under 35 U.S.C. 102(e) as being unpatentable by Farris et al (6504907).

Regarding claim 19 Farris et al teaches a system for communicating one or more telecommunication call records associated with a telecommunication system, the one or

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more call records being transmitted from a remote telecommunication device, comprising (figs. 1-3,5):

a telecommunication switch (13-15); and a computing system adapted for communicating with the telecommunication switch, the computing system including one or more computers having one or more processors for executing one or more sets of logic instructions, a memory circuit for storing the one or more sets of logic instructions to be executed and a storage device in communication thereto (col. 21, line 47-col. 22, line 52, col. 24, lines 25-39, col. 27, lines 35-55, col. 29, lines 25-36); and

a switch master (20) in communication with at least telecommunication switch (13-15), billing system and the computing system (col. 5, lines 15-55, col. 13, lines 25-50, col. 20, lines 1-20);

wherein the one or more sets of logic instructions are executed to cause the computer system to establish a communication link between the computing system and the telecommunication system (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10, see above);

receive the telecommunication call records, and store the telephone call records in the storage device (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10);

store at least one of the one or more telecommunication call records in a table within the storage device, wherein the table related to how recently the telecommunication call records were received (col. 13, lines 25-40, col. 21, line 46-col. 22, line 18); and

search the storage device for one or more telecommunication records associated with a telecommunication system (col. 13, lines 25-40, col. 21, line 46-col. 22, line 18).

Regarding claim 21 Farris et al teaches further comprising a server in communication with the computing system (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10, see above).

Regarding claim 22 Farris et al teaches wherein the computing system further comprises a plurality of computers interconnected in a network (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10, see above).

Regarding claim 23 Farris et al teaches wherein one or more processors of the computing system are operative in accordance with the one or more sets of logic instructions stored in the memory circuit of the computing system to establish a communication session with the telecommunication switch (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10, see above).

Regarding claim 24 Farris et al teaches wherein one or more processors of the computing system are operative in accordance with the one or more sets of logic instructions stored in the memory circuit of the computing system to parse the one or more telecommunication call records received from the telephone switch circuit (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10, see above).

Regarding claim 25 Farris et al teaches wherein one or more processors are operative in accordance with the one or more sets of logic instructions stored in the memory circuit of the computer to provide a user interface (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10, see above).

Regarding claim 26 Farris et al teaches wherein the one or more processors are operative with the one or more sets of logic instructions to provide the user with an option for sorting the telecommunication call records in accordance with a criteria selected from the group consisting of a telephone number, a telephone identification number and one or more dialed digits (col. 5, lines 16-55, col. 13, lines 1-10 and 31-41, col. 20, lines 1-10, see above).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 5 and 14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Swansn (5867558) and further in view of Farris et al (6504907).

7. Regarding claims 5 and 14 Swansn does not specifically teach wherein receiving the one or more dial digits includes receiving the one or more dial digits from a wireless device

In an analogous art, Farris et al teaches wherein receiving the one or more dial digits includes receiving the one or more dial digits from a wireless device (col. 11, lines 5-25). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Swansn teaches by specifically adding features a technique may apply as well to wireless telephone networks and to other types of telecommunication networks taught by Farris et al.

Response to Arguments

8. Applicant's arguments with respect to claims 1-19,21-39 and 41 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Khawar Iqbal whose telephone number is (571) 272-7909.


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If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Marsha D. Banks-Harold can be reached on (571) 272-7905. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free) or 703-305-3028.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Khawar Iqbal


RAFAEL PEREZ-GUTIERREZ
PATENT EXAMINER
5/11/05